



## Features

**Compact Design**

**High Efficiency**

**High Power Capacity**

**Dust Protected**

**Wide Distribution Angle**

**Ceramic Magnet Structure**

## DESCRIPTION

The ALTEC 401C Loudspeaker is an advanced version of the superior ALTEC 401B Loudspeaker designed specifically for use in low level music distribution and paging systems. Its compact design and shallow depth greatly simplify installation problems. The excellent high frequency response and wide range makes the loudspeaker ideally suitable where excellent intelligibility is required.

The high efficiency of the magnetic structure and wide distribution angle of 90° at 3000 Hz reduce the number of speakers as well as the amplifier power needed for good coverage. Additional features of the design are the pre-drilled mounting holes for 70 volt distribution transformers, high power capacity and unusually wide frequency range. With these many features which are not found in any other speaker of this type, the 401C Loudspeaker will prove superior in all low level music distribution systems for quality, economy and reliability.



A quality company of LTV Ling Altec, Inc.

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New York**

# ALTEC 401C

## SPECIFICATIONS

<b>Power:</b>	15 watts
<b>Frequency Response:</b>	60 to 12,000 Hz
<b>Distribution:</b>	90° at 3000 Hz
<b>Sensitivity:</b>	97 dB (Sound Pressure Level at 4 ft. from 1.0 watt*)
<b>Impedance:</b>	8.0 ohms
<b>Voice Coil Diameter:</b>	1.0"
<b>Diameter:</b>	8¼"
<b>Magnet Type:</b>	Indox V
<b>Magnet Structure Weight:</b>	1¾ lb.
<b>Flux:</b>	10,250 Gauss
<b>Mounting Hole Diameter:</b>	7⅛"
<b>Depth:</b>	3¼"
<b>Weight:</b>	2½ lb.

\*Equivalent to E.I.A. rating 50 dB at 30 feet from 1.0 milliwatt.

## ARCHITECTS AND ENGINEERS SPECIFICATIONS

The loudspeaker shall be 8¼" in diameter, and shall have a minimum sensitivity of 97 dB (SPL at 4.0 feet from 1.0 watt\*) measured on axis. The speaker shall have a continuous power rating of at least 15 watts. The voice coil shall operate in a magnetic field of at least 10,250 gauss derived from a ceramic magnet weighing no less than 10 ounces. The frequency response shall be uniform over the range from 60 to 12,000 Hz and shall be free of peaks. The speaker shall have a broad angle of coverage to 12,000 Hz. Free air resonance shall not exceed 97 Hz. The speaker shall be sealed against dirt and magnetic dust. The total depth of the speaker shall not exceed 3¼".

The speaker shall be the ALTEC Lansing Model 401C.

**NOTICE**  
We recommend that you obtain your Altec products from factory trained authorized Altec Sound Contractors and Distributors. This will assure you of proper installation, a continuing source of knowledgeable advice, service, and quick warranty protection.